



an EnerSys® company

Cordex® CXPS-HX Power System

2875A Front Access DC Solution



- -48VDC power system providing 2875A output capacity
- Front access AC input termination panel increases useable floor space, reduces installation time and simplifies maintenance
- Flexible top and bottom AC feed options from a single bay
- Front access DC output connections including:
 - TPL fuses up to 1200A
 - GJ breakers up to 600A
- Each distribution panel designed to accommodate the full rectifier capacity
- Dual bay kit links two 2875A bays doubling capacity, breakers, and termination

The Cordex® CXPS-HX front access system provides high capacity DC power for large communication network applications.

This system combines the capabilities of tiered distribution, advanced microprocessor based supervision, and modular rectifiers in a single integrated bay. Two bays can easily be linked together and share a central controller to double the system capacity.

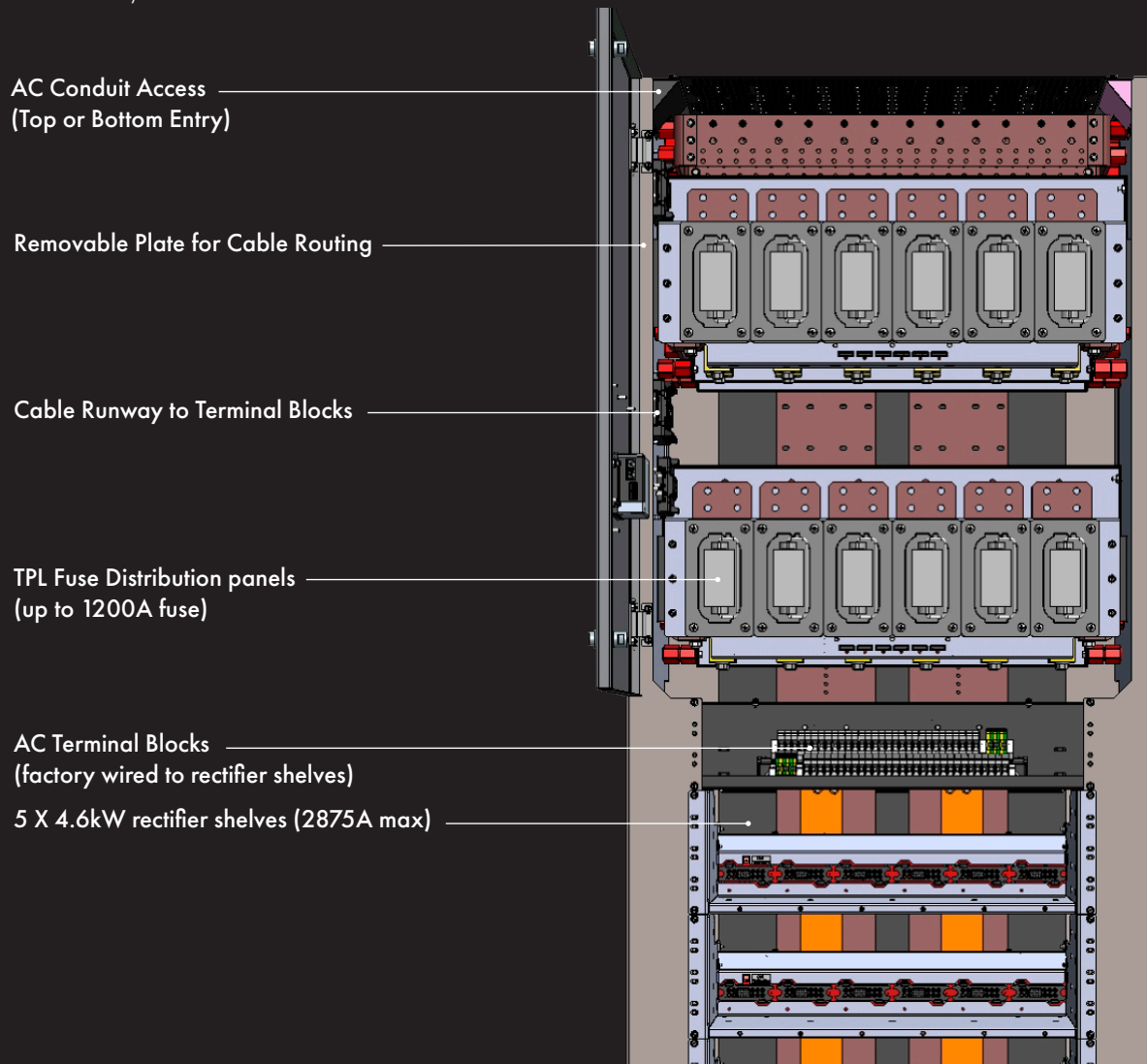
The Cordex® Distributed Power System is cost effective due to the internal copper buswork, and is delivered ready to assemble with factory tested components. No overhead bus work is required. An optional external return bus is available. Cable access is from the top and load connections are terminated from the side or rear of the bay. Hot swappable Cordex® power modules and internal busswork provides a safe work environment with easy installation and maintenance.

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The Cordex® CXPS-HX series is a compact, true front access, multi capacity -48VDC power system designed for space constrained communication applications. The front access HX-Plant optimizes floor space, streamlines installation, and simplifies maintenance, empowering organizations to achieve seamless connectivity and operational excellence.

- **Optimizes floor space:** The true front access system allows for installation directly against a wall, increasing useable floor space
- **Streamlines installation:** Front access AC input terminal blocks that are factory wired to the rear of the rectifier shelves, reducing installation time
- **Simplifies maintenance:** Site visits and general maintenance made simpler via ease of access to AC, DC, and battery connections



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P/N: Refer online to ordering guide for P/N and configurations

Electrical	
DC Output	
Output Voltage	-48 VDC
Output Capacity	<ul style="list-style-type: none"> 138 kW One bay system 276 kW Two bay system
Max. Bus Capacity	<ul style="list-style-type: none"> 2875 A One bay system 5000 A Two bay system
Current per Cordex HP 4.6 kW Module	95.8 A @ -48 VDC
AC Input	
Nominal Input Voltage	<ul style="list-style-type: none"> Single phase, 208 to 277 VAC 3-phase, 208 VAC 3-phase, 277/480 VAC (48/4.6 kW)
AC Connectors	Front access DIN-Rail terminal blocks
AC Access	Top and bottom
Mechanical	
Dimensions H × W × D	84 × 30 × 26 in.
Weight	600 lbs per bay (w/o modules)
Environmental	
Temperature	0 to 40°C (32 to 104°F)
Humidity	0 to 95% RH non-condensing
Elevation	-500 to 2800 m (-1640 to 9186 ft)

Distribution	
Fuses	
TPL Fuses	<ul style="list-style-type: none"> Up to 1200 A per fuse 6 fuse holders per panel Max. 2 fuse panels per bay
TPL Fuse Panel Capacity	2875 A per tier
GJ Breakers	<ul style="list-style-type: none"> Up to 3-pole 600 A breakers 5 breaker positions per panel Max. 2 breaker panels per bay
GJ Breaker Panel Capacity	2875 A per tier
Related Components	
Cordex HP 48 V 4.6 kW Rectifier Module	See datasheet and the rectifier documentation for more detailed information
Cordex CX HP System Controller	See datasheet and the controller documentation for more detailed information
Certification	
Safety	CSA/UL 62368-1
NEBS	Designed for NEBS compliance



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